FOR IMMEDIATE RELEASE

Nonlinear Control Strategies, Inc. awarded DAF SBIR Phase II

July 15, 2022 – Nonlinear Control Strategies, Inc. announces it has been selected by AFWERX for an SBIR Phase II Contract in the amount of $749,993 focused on Predictive Modeling of Emerging Nonlinear Functional Materials. Nonlinear's new software product development, Simulase_TMDC, an adaptation of the company's successful semiconductor epitaxy modeling software, has the goal of investigating its potential to fill capability gaps in the Department of the Air Force (DAF). The Air Force Research Laboratory and AFWERX have partnered to streamline the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) process by accelerating the small business experience through a faster proposal to award timelines, changing the pool of potential applicants by expanding opportunities to small business and losing bureaucratic overhead by continually implementing process improvement changes in contract execution. The DAF began offering 'The Open Topic' SBIR/STTR program in 2018 which expanded the range of innovations the DAF funded and now on July 15, 2022, Nonlinear Control Strategies, Inc. will start its journey to create and provide innovative capabilities that will strengthen the national defense of the United States of America.

About Nonlinear Control Strategies, Inc.
Nonlinear Control Strateigies was founded with the goal of transitioning leading edge research in the general photonics area into commercial technology applications. The company leverages worldwide expertise in theory and computation in the fields of nonlinear optics, computational photonics, computational nanophotonics and semiconductor physics. The company enjoys close ties with leading edge research being carried out at the University of Arizona (Tucson, USA) and with the Philips University (Marburg, Germany). Software tools are designed to reduced R/R&D expense and time by providing predictive modeling and performance analysis with an intuitive graphical interface for emerging nonlinear functional materials; predictive data can be used as input to programs used for designing advanced electronics and sensing modules.

About AFRL
The Air Force Research Laboratory (AFRL) is the primary scientific research and development center for the Department of the Air Force. AFRL plays an integral role in leading the discovery, development, and integration of affordable warfighting technologies for our air, space, and cyberspace force. With a workforce of more than 11,000 across nine technology areas and 40 other operations across the globe, AFRL provides a diverse portfolio of science and technology ranging from fundamental to advanced research and technology development. For more information, visit: www.afresearchlab.com.

About AFWERX
AFWERX, a program office at the Air Force Research Laboratory (AFRL), connects innovators across government, industry and academia. Through innovation and collaboration with our nation's top subject-matter experts and harnessing the power of ingenuity of internal talent, by expanding technology, talent, and transition partnerships for rapid and affordable commercial and military capability. Additional information is available at: https://www.afwerx.com/.

About AFVentures
AFVentures invests in emerging technologies to scale Department of the Air Force capabilities, strengthening the US industrial base that empowers Airmen and Guardians by incentivizing private, for-profit investment in national security interests. Our success is achieved by connecting novel commercial solutions with defense problem sets, de-risking Airmen and Guardian initiatives to fill capability gaps and transition technologies. Learn more at https://afwerx.com/afventures-overview/.

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